Unit Outline 2012
Faculty of Information Sciences and Engineering

Information Technology Project
7164
This Unit Outline must be read in conjunction with:

a) *UC Student Guide to Policies*, which sets out University-wide policies and procedures, including information on matters such as plagiarism, grade descriptors, moderation, feedback and deferred exams, and is available at *(scroll to bottom of page)*

b) *UC Guide to Student Services*, and is available at *(scroll to bottom of page)*

c) Any additional information specified in section 6h.

## 1: General Information

<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>1a</td>
<td>Unit title</td>
</tr>
<tr>
<td>1b</td>
<td>Unit number</td>
</tr>
<tr>
<td>1c</td>
<td>Semester and year offered</td>
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<tr>
<td>1d</td>
<td>Credit point value</td>
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<tr>
<td>1e</td>
<td>Unit level</td>
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</tbody>
</table>
| 1f | Unit Convener | Richard Lucas, Room 11C24  
Phone (02) 6201-5341  
Email: Richard.Lucas@canberra.edu.au |
| Unit Moderators | Dale Kleeman, Room 11C21  
Phone (02) 6201-2427  
Email: Dale.Kleeman@canberra.edu.au  
Bala Balachandran, Room 11C22  
Phone (02) 6201-2622  
Email: Bala.Balachandran@canberra.edu.au |
| 1g | Administrative Contact | School of Information Sciences and Engineering  
Room 11B14,  
Phone: (02) 6201-2417/2153  
Fax: (02) 6201-5231,  
Email: ise@canberra.edu.au |
### 2: Academic Content

#### 2a Syllabus
This unit brings to a conclusion a major systems development project. Students are expected to demonstrate a capacity to work in the computing field at a professional level.

Students will study the social, legal and ethical environment of systems and their development.

**Learning Outcomes**
On successful completion of this unit students will be able to work in a team to analyse, design and implement a substantial practical project; and understand and be able to apply software engineering, software quality assurance and project quality assurance principles in a professional, responsible manner.

#### 2b Generic Skills
The generic skills developed in your course and in this unit are described at [https://guard.canberra.edu.au/policy/policy.php?pol_id=3030](https://guard.canberra.edu.au/policy/policy.php?pol_id=3030) and referenced in the assessment items using the UC website heading numbers.

#### 2c Prerequisites and/or co-requisites
Systems Project and Quality Management **OR** Software Engineering Practice **AND** Web Design and Programming **AND** Object Oriented Software Design

### 3: Delivery of Unit and Timetable

#### 3a Delivery mode
This unit will be delivered on campus as a lecture each week and a workshop/tutorial session of 2 hours each week. Lecture and tutorial rooms and times are advertised on the website. Tutorial times are **not open** until group formation has been completed.

#### 3b Schedule of lectures and tutorials
The weekly contact sessions comprise lectures, tutorial/workshops and discussions with visiting professionals (as available).

Broadly, the lecture sequence is planned to address expected learning outcomes from previous units and discussion forums with visiting professionals and specialist academics as they are available:

Students should consult the website regularly for a schedule of detailed activities. The order and emphasis of some activities may change. Assignments are advertised on the website together with due dates and times.

### 4: Unit Resources

#### 4a The recommended texts include:
Generally the material you used for all your previous units will serve as material you should consult for completing the assessments in this unit.

Various papers and relevant articles may also be made available through the unit web site as appropriate.

4b Materials and equipment
Students are required to use computers to access resources in this unit as well as performing assessable work.

4c Unit website (Moodle)

This website is used to provide up-to-date information. Specific information will be sent to students or groups of students using the web site email facilities. This facility can be used to forward emails to each student’s designated email address. Other communications are via lecture and tutorial sessions.

Students should check the Moodle unit website, their student email account and attend all lectures and tutorials.

Information transmitted using these facilities is considered received by students.

5: Assessment

5a Assessment overview

<table>
<thead>
<tr>
<th>Assessment item (including exams held in the exam period)</th>
<th>Due date</th>
<th>Weighting</th>
<th>Addresses Learning outcomes</th>
<th>Addresses Generic Skills</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Assignment 1 Project Part A - Charter and analysis</td>
<td>At the tutorial in Week 4</td>
<td>10%</td>
<td>All Learning outcomes</td>
<td>All Learning outcomes</td>
</tr>
<tr>
<td>Part B - Final Group Presentation (10%) and report (30%)</td>
<td>At the Presentation in Week 14</td>
<td>40%</td>
<td>All Learning Outcomes</td>
<td>All Learning outcomes</td>
</tr>
<tr>
<td>2 Assignment 2 Personal reflections</td>
<td>At the Presentation in Week 14</td>
<td>10%</td>
<td>All Learning outcomes</td>
<td>All Learning Outcomes</td>
</tr>
<tr>
<td>3 Continuous Assessment (Weeks 3, 5, 7 [Project Group Presentation and Report - 10%], 9, 11, and 13)</td>
<td>Weekly in the tutorial.</td>
<td>20%</td>
<td>All Learning outcomes</td>
<td>All Learning Outcomes</td>
</tr>
<tr>
<td>4 Examination</td>
<td>Examination Period</td>
<td>20%</td>
<td>All Learning outcomes</td>
<td>All Learning outcomes</td>
</tr>
</tbody>
</table>

All assessment items are marked out of 100 and then scaled to reflect actual grade marks for the unit.
5b Details of each assessment item
All submitted work is expected to demonstrate relevant research and to reflect the professionalism of the students as well as their academic ability.

Grading:
Marking guides are published on the Moodle web site against each assignment.

Assignment 1
Part A - Project Charter and analysis. This assignment is expected to describe at least, the project that has been selected, its social/moral worth, the security aspects of the project and the deliverables, method of development and delivery, domain research, risks analysis, change management and quality assurance against the project and the deliverables. The actual documents to be submitted are individually negotiated with your tutor.

Part B - Final Group Presentation and report. This assignment is the final presentation for your project and handover of all deliverables to your client and your tutor.

Assignment 2 Personal reflections
A reasoned and researched analysis of your performance and your group’s behaviour whilst conducting the project. This must include the gold coin allocation.

Assignment 3 Continuous assessment
This is an assessment of your group’s professionalism whilst conducting the project throughout the semester. This analysis is based on your groups’ project achievements for the weeks specified.

Week 7 Group Presentation and report. This assignment is the intermediate presentation for your project and evidence of submission of deliverables to your tutor. It is due in the tutorial in Week 7. The Week 7 Presentation and Progress Report is worth 10%.

Examination
The examination will be held in the exam period at the end of the semester. The examination is presented as a set of questions that explore your understanding and analysis of the concepts covered throughout the semester. The examination is closed book. No written material is allowed.

5c Special assessment requirements
In order to pass this unit you must deliver all four assignments, achieve a passing grade in aggregated marks of all assignments, and achieve a passing grade in the examination.

Section 9 of the UC Assessment Policy describes grades and their numerical equivalents. Some scaling of marks and academic judgement may be applied to determine students' final grades - in this process no student will be disadvantaged. See https://guard.canberra.edu.au/policy/policy.php?pol_id=2900 for details.
All assignments should be submitted by the due time and date. If for any reason you are unable to submit an assignment by the due date you must request an extension in writing before the due date (unless impossible). If there is a medical or counselling reason for the extension request it must be accompanied by a medical or counselling certificate which clearly states:

- that you were unfit to complete the assignment;
- the date of the medical or counselling consultation; and
- the period for which you were / are / will be unfit to complete the assignment.

If there is any doubt with regard to the requirements of any assignment or assessment procedure, the onus for clarifying the issue rests with the student who should contact the lecturer about the matter.

All assignments are to be submitted, in the manner requested by the tutor, by the due date and time. Not that this may be via the Moodle website. The standard time is 5pm on the due day of submission. Moodle is configured to refuse late assignments. Students are advised to submit their assignments well before the deadline time as the system can become slow if many students are attempting to submit at the last moment.

**Referencing requirements:**
In all submitted work, the referencing must comply with the author-date or 'Harvard' system, as outlined in the University Library Citation Guide available at: [http://www.canberra.edu.au/library/research-gateway/research_help/referencing-guides](http://www.canberra.edu.au/library/research-gateway/research_help/referencing-guides). Non-compliant assignments may attract fail grades.

5d **Supplementary assessment**

5e **Academic Integrity**
Students have a responsibility to uphold University standards on ethical scholarship. Good scholarship involves building on the work of others; the use of other’s work must be acknowledged with proper attribution. Cheating, plagiarism, and falsification of data are dishonest practices which contravene academic values. Refer to the policy at [https://guard.canberra.edu.au/policy/policy.php?pol_id=3175](https://guard.canberra.edu.au/policy/policy.php?pol_id=3175)
5f  **Text Matching Software**  
Text-matching software may be used to check for plagiarism against previous and current student assignments as well as attempts to match text from the internet. The lecturer has the right (at their discretion) to conduct a verbal or additional examination where work is considered by the unit convener or moderator to be at risk of plagiarism.

6:  **Student Responsibility**

6a  **Workload**  
The amount of time you will need to spend on study in this unit will depend on a number of factors including your prior knowledge, learning skill level and learning style. Nevertheless, in planning your time commitments you should note that for a 3cp unit the total notional workload over the semester or term is assumed to be 150 hours. These hours include time spent in classes.

The following table is a guide that may help you plan your semester’s effort levels:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours per week</th>
<th>Semester Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tutorials/Workshops participation</td>
<td>2</td>
<td>28</td>
</tr>
<tr>
<td>Tutorial Report Preparation</td>
<td>10</td>
<td>140</td>
</tr>
<tr>
<td>Week 7 Presentation</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Final Presentation</td>
<td>2</td>
<td>30</td>
</tr>
<tr>
<td>Final documentation</td>
<td>4</td>
<td>60</td>
</tr>
<tr>
<td>Exam</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>300</strong></td>
<td></td>
</tr>
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6b  **Special needs**  
Students who need assistance in undertaking the unit because of disability or other circumstances should inform their Unit Convener or the UC AccessAbility (formerly the Disabilities Office) as soon as possible so the necessary arrangements can be made.

6c  **Attendance requirements**  
You are strongly advised to attend all lectures and to fully participate in all tutorials. There is recurring and ongoing group and individual work throughout the unit. The lecture slides and other material are published on the website. Lecture slides should not be considered a substitute for attending the lectures.

Announcements made in lectures or published using the website are deemed to have been heard or read by all students in the unit.

6d  **Withdrawal**  
If you are planning to withdraw from this unit, please discuss this with your unit convener. Please see this link for further information on withdrawal deadlines.
6e **Required IT skills**
You are expected to be a competent computer user and familiar with word processing, presentation software and workflow and document management software (on line instructions are supplied) in this unit. It expected that you will teach yourself how to use the packages by working through the exercises in the software's tutorials and/or studying examples supplied with the software. All assignments are expected to be submitted electronically using the Moodle website and in Microsoft Office compliant format or PDF; unless specifically stated otherwise.

6f **Costs**
There are no unusual costs.

6g **Work Integrated Learning**
The projects undertaken in this unit must be situated in an organizational workplace and as such simulate work integrated learning. This unit may use commercially available software and practices and as assignment components. In addition, when available, industry representatives are invited to present guest lectures. Where relevant and practical, management practices in this unit are related to Australian legislation and standards.

6h **Additional Information**
Sources of other information will be announced in lectures and the website.

7: **Student Feedback**
All students enrolled in this unit will have an opportunity to provide anonymous feedback at the end of the Semester via the Unit Satisfaction Survey (USS) which will be presented to you on OSIS. Your lecturer or tutor may also invite you to provide more detailed feedback on their teaching through an anonymous in-class questionnaire administered through the University’s Teaching and Learning Centre (TLC).

This unit outline has been modified to better reflect student feedback survey results for this unit.

Changes include re-weighting of some of the graded assignments.

8: **Authority of this Unit Outline**
Any change to the information contained in Section 2 (Academic content), and Section 5 (Assessment) of this document, will only be made by the Unit Convener if the written agreement of Head of Discipline and a majority of students has been obtained; and if written advice of the change is then provided on the unit site in the learning management system. If this is not possible, written advice of the change must be forwarded to each student enrolled in the unit at their registered term address. Any individual student who believes him/herself to be disadvantaged by a change is encouraged to discuss the matter with the Unit Convener.